

## 531 SGM



Composite insulated gloves provide electrical, mechanical and arc-flash protection, and as such do not need to be combined with any other kind of glove with mechanical protection.

The Composite glove range is made using a natural latex base covered by an outer layer of polychloroprene, combining mechanical resistance and comfort with a high level of protection.

**Arc flash protection:** the glove material has excellent properties in the event of a short circuit in the electric arc.



The glove is available in red with a beige inside.

CE IEC 60903  
IEC 61482-1-2

Code	Ref.	Class	Thickness (mm) max.	Working Voltage (V) max.	Proof test Voltage (V) max.	ATPV (cal/cm <sup>2</sup> ) ASTM F2675	Size	Length (mm)	Category
531110	SGM-25 T9	00	< 2.4	500 V AC	2.500 V AC	26.3 cal/cm <sup>2</sup>	9	360	RC
531120	SGM-25 T10						10		
531150	SGM-50 T9	0	< 2.9	1.000 V AC	5.000 V AC	9	410		
531160	SGM-50 T10					10			
531190	SGM-10 T9	1	< 3.4	7.500 V AC	10.000 V AC	9	410		
531200	SGM-10 T10					10			
531230	SGM-20 T9	2	< 3.9	17.000 V AC	20.000 V AC	9	410		
531240	SGM-20 T10					10			
531270	SGM-30 T9	3	< 4.2	26.500 V AC	30.000 V AC	9	410		
531280	SGM-30 T10					10			
531310	SGM-40 T10	4	< 4.8	36.000 V AC	40.000 V AC	10	410		
531320	SGM-40 T11					11			

Meaning of letters in 'Categories': A: Acid / Z: Ozone / H: Oil / C: Very low temperature / R: A+Z+H resistance.

### MECHANICAL AND THERMAL REQUIREMENTS

- Average tensile strength:  $\geq 16$  MPa
- Average elongation at break:  $\geq 600\%$
- Tension set:  $\leq 15\%$
- **Complementary test and performance levels to be achieved are as follows:**
  - Resistance to cutting:  $> 20$  mm i 5N, according to ISO13997
  - Resistance to abrasion:  $\geq 0,05$  mg/t
  - Tearing resistance to:  $> 25$  N (equivalent to level 2 according to EN 388)
  - Resistance to penetration:  $> 60$  N (equivalent to level 2 according to EN 388)
  - Resistance to very low temperatures: Conditioning of the gloves for 24 hours at  $-40$  °C.  $\pm 3$ °C.
  - Flame-retardant test: Application of a flame for 10 seconds at a finger tip.



RECOMMENDED SIZE	9	10	11
Contour cm (measured with closed hand)	21	24	26